

F RIDMAN, A.

PROCESSES AND PROPERTIES

Influence of methylthiourea on the content of the hormone in the thyroid gland. Ya. M. Kabak and A. I. Tikhonova (M. V. Lomonosov State Univ., Moscow). *Comp. rend. Acad. Sci. U.R.S.S.* 51, 733-6 (1946). Expts. were made on tadpoles to study the change in the hormone content of the thyroid gland of rats after the administration of methylthiourea. Male rats were fed about 3 mg. of 4-methyl-2-thiouracil per day. At varying intervals autopsies were performed on the rats and the thyroids of each individual animal were cut into 6 equal parts which were implanted separately into the abdominal cavity of the tadpole. Simultaneously, normal rat thyroids were implanted, while a third group of tadpoles served as controls. 7-9 days thereafter all the *Rana ridibunda* tadpoles were dissected, and the lengths of their intestines measured. Shortening of the intestine is one of the most sensitive tests for metamorphic alterations. The fragments of normal rat thyroids produced a marked metamorphic change; the length of the intestines of the tadpoles decreased to about 24.5-33.0% of those of the controls. The thyroid of rats after 2 days of methylthiourea treatment showed a weakened, after 8 days a total, loss of metamorphogenic activity. Methylthiourea was shown to possess no influence on the activity of thyroxine, so that the results can be regarded as an indication that the content of the hormone in the thyroid is greatly decreased under the influence of methylthiourea, which is in conformity to chem. investigations demonstrating a decrease in the iodine content of the thyroid after similar treatment.

Wesper Baumgarten

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0"

FRIDMAN, A.P.

[Fundamentals in the study of the spinal fluid; studies in cerebral fluid] Osnovy likvorologii; uchenie o zhidkosti mozga. Izd. 4-e perer. i dop. [Leningrad] Medgiz, 1957. 358 p. (MLRA 10:6)
(CEREBROSPINAL FLUID)

F.I.D.K.

"Practical aid on the examination of cerebrospinal fluid" by G.P.
Surgeon, A.TS.Voznaya. Reviewed by A.P.Priimen. Zhur.nevr. i psich.
17 no.7:926-927 '57. (MLRA 10:9)
(CEREBROSPINAL FLUID)
(SURGEON, G.P.) (VOZNAIA, A.TS.)

MIL'MAN, Leonid Yakovlevich; FRIIDMAN, A.P., red.; KHARASH, G.A., tekhn.
red.

[Clinical aspects and treatment of impotence; sexual neuroses]
Klinika i lechenie impotentsii; seksual'nye nevrozy. Leningrad,
Medgiz, 1960. 134 p. (MIRA 15:1)
(IMPOTENCE)

FRIDMAN, A.S.

Oxygen therapy in atherosclerosis. Terap. arkh. 30 no.4:37-40 Ap
'58. (MIRA 11:4)

1. Iz kafedry gospital'noy terapii (zav.-prof. L.N.Gol'dman) i
kafedry biokhimii (zav.-prof. V.S.Shanot) Vitebskogo meditsinskogo
instituta.

(ARTERIOSCLEROSIS, therapy,

oxygen (Rus)

(OXYGEN, therapeutic use,

arteriosclerosis (Rus)

LAKERNIK, R.M.; SHARLE, D.L.; FRIDMAN, I.S., red.; MATVEYEV, G.I., tekhn.red.

[Polyethylene and its use in cables] Polietilen i ego primenenie
v kabel'noi tekhnike, Moskva, Gos.energ.izd-vo, 1958. 142 p.
(MIRA 12:3)

(Ethylene) (Electric cables)

25(5)

REFERENCES:

Sov/64-39-6-2/26

Karpov, V. I., Malinitsky, Yu. M., Mitrofanova, L. V., Sidorova, S. M.
S. T., Zil'kai, L. E., Fridman, A. N., Chernakov, S. M.

21(LB)

Increase in the Thermosability of the Polyethylene Insulation
of Cables by Means of Exposure to Ionizing Radiation

PERIODICAL:

Kharkovskaya Pravdopodobnost', 1959, Ar. 6, pp 469 - 474 (USA)

ABSTRACT:

The thermosability of polyethylene can be increased by the action of ionizing radiations (Ref 1). Polyethylene exposed to a sufficiently large dose of radiation at 110-115° possesses properties similar to those of rubber (Ref 3). An investigation was made of the irradiation conditions and testing methods of cables (0.5 mm thick copper wire) insulated with polyethylene (Ref 20). The insulating material was exposed to γ -rays (Ref 20) (Gamma Plant K-20000 (Ref 8)) with a capacity of 0.6-0.9 Mrad/hr to fast electrons from a linear accelerator of 1 Mev. The tensile strength of the exposed samples was tested by means of a dynamometer designed by V. A. Melnyk (Ref 21). Prudnikov, and B. I. Zverev at the Pis'mo-Kharkovskiy Institute, L. I. Karpov (Physico-chemical Institute (Inst. Fiz. Khim. Karpov)). The thermosability of the irradiated samples was determined by means of an apparatus (Ref 10). At the same time, the dependence of the deformation on time was investigated at

Case 1/2

a definite load and a constant rate of temperature increase (50°C/h). The thermodynamic curve obtained (Fig. 2,10), the tensile strength coefficients (Table 1) and the data of electric resistance (Table) as well as data concerning the thermal aging of the irradiated samples (Table) are given. The statement that irradiation of either of the two types of polyethylene insulations may be expected to improve the properties of the insulation is supported. The optimal mechanical properties of the insulation were reached in the case of the use of electrons in doses up to 100-150 Mrad and in the case of 1 Mev air during 2-4 minutes at a tension of approximately 5 kN/mm². The cables irradiated with the optimum dose never fail without failure for one hour at temperatures up to 250-255°, several hours at 150°, and several hundred hours at 100°. The use of corresponding stabilizers may essentially lengthen the life of irradiated polyethylene insulation and increase the critical working temperature. There are 10 figures, 3 tables, and 11 references, 7 of which are Soviet.

Case 1/2

Fridman, R.S.

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9,2165 (100,133,1482)

33124

S/638/61/001/000/055/056
B125/B104

AUTHORS: Karpov, V. L., Malinskiy, Yu. M., Mitrofanova, L. V.,
Slinitsyn, S. T., Finkel', E. E., Fridman, A. S. Chernetsay
S. M.

TITLE: Increase of the thermal stability of polyethylene-insulated
lines by ionizing radiation

SOURCE: Tashkentskaya konferentsiya po mirnymy ispol'zovaniyu
atomnoy energii. Tashkent, 1959. Trudy. v. 1. Tashkent,
1961, 383-389

TEXT: A copper wire 1 mm in diameter and insulated with 0.5 mm of
polyethylene was irradiated by a Co⁶⁰ gamma radiation source of
20,000 g-equ. Ra in a vacuum as well as by an electron linear accelerator
in the air. The thermal stability of the irradiated samples was deter-
mined by the analysis of the thermomechanical curves, i.e., of the time
dependence of deformation under given load and with the temperature rising
by a constant rate of 50 deg/hr, using a specially built device. The
deformation that was attained is a measure of thermal stability at given
temperature and load. The lifetime of the workpiece can be estimated from
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Increase of the thermal stability ...

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S/630/61/001/000/055/056
B125/B104

the time dependence of deformation (likewise measurable by the above-mentioned device) at constant temperature and load. At increased temperatures the deformation is the lower, the higher the radiation dose, and remains practically constant up to 250°C. The restriction of deformation under a load of 0.5 kg to about half the radial thickness by irradiation with doses of 100-150 Mrad or by irradiation with 1-Mev ($15 \mu\text{n}/\text{cm}^2$) electrons for 2-4 min guarantees the usability of lines above 80°C. The final deformation is increased by a load increase without any change of its nature. The line still remains efficient if the load is quadrupled. The amount of final deformation is not affected by the rate of temperature increase over a wide range. The deformation is only little temperature-dependent under both long and brief load action. A line with irradiated insulation can be exposed to 180°C for at least 4 hrs, and remains efficient for some hours even at 230-250°C. If suitable stabilizers are introduced into polyethylene, the maximum operating time in this temperature range can probably be increased considerably, and the line can be exposed to even higher temperatures for a short time. The increased thermal stability improves the reliability of insulated wires at high temperatures, especially in the case of breakdown, and increases

Card 2/4

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35124

Increase of the thermal stability ...

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B125/B104

the operating time at normal temperatures. Gamma irradiation in vacuo increases the stability at 20° and 90°C, while doses of more than 200 Mrad reduce it. The irradiation of 0.4 mm thick samples in the air reduces the relative elongation and also the tensile strength at 20° and 90°. The best strength properties are achieved by irradiation in vacuo with doses of up to 100 Mrad. The tensile strength of an insulation irradiated with fast electrons are presented in Table 1. Tensile strength, resistance to frost, electric breakdown and electrical resistance of a sample irradiated with a gamma dose of 100 Mrad or, equivalently, with 1-Mv electrons for 2-4 min were fully satisfactory. The resistance of line insulation to thermal aging drops with increasing radiation dose. Samples irradiated with electrons are more resistant in this respect than samples irradiated with an equivalent gamma dose. There are 6 figures, 6 tables, and 7 references: 5 Soviet and 2 non-Soviet. The two references to English-language publications read as follows: Dolle M., Kelling C. D., Rose D. J., J. Am. Chem. Soc., 76, 4304, 1954; Charlesby A., Bain, T. Brit. Plastics, 30, 4, 146, 1957.

Card 3/4

4

33124
 3/630/61/001/000/055/056
 3125/3104

Increase of the thermal stability ...

ASSOCIATION: Gosudarstvennyy n.-i. institut kabel'noy promyshlennosti
 (State Scientific Research Institute of Cable Industry).
 N.-i. fiziko-khimicheskiy institut im. L. Ya. Karpova
 (Scientific Physicochemical Research Institute imeni L. Ya.
 Karpov). Vsesoyuznyy elektrotekhnicheskiy institut im.
 V. I. Lenina (All-Union Electrotechnical Institute imeni
 V. I. Lenin)

Table 1. Tensile strengths of insulations irradiated with fast electrodes.
 Legend: (1) irradiation technique; (2) nonirradiated material; (3) voltage;
 (4) exposure (min); (5) tensile strength, kg/cm²; (6) relative elongation,
 %.

Режим облучения материала	Несущий материал	Напряжение (3)								
		0,6 Ma				1 Ma				
		Удельная, мин. (4)								
(1)	(2)	1	2	4	8	16	0,5	1	2	4
(5) Сопротивление разрыву, кг/см ²	160	148	134	131	158	154	166	159	143	131
(6) Относительное удлинение, %	480	452	221	144	106	38	461	357	206	165

Card 4/4

FRIEDMAN, A.S.

20 (5)

AUTHORS:

Karpov, V. L., Kalinetskiy, Yu. N.,
Mitrofanova, L. V., Sizikov, E. E., Fritman, A. S.5/032/63/C15/C1/C54/C52
B10/5005

TITLE:

Device for Determination of the Thermal Stability of Poly-
ethylene- or Rubber Cable Insulations

PERIODICAL:

Zavodskaya laboratoriya, 1960, Vol 26, Nr 5, p. 102 - 103 (USSR)

ABSTRACT:

The device mentioned in the title (Fig 1) consists essentially of an H-shaped frame standing on a steel plate. The latter has an opening in the middle of the crossbeam, through which the post with the loading weights is pulled. At its top end, the post is fitted with a plate which transmits the pressure to the sample by means of two inset rodlets. The sample (a piece of cable with the insulation to be tested) is supported by two rodlets also. To indicate subsidence (sample deformation) of the last-mentioned plate by the indicator, the indicator is placed on the plate. Except for the indicator, the device is put in a thermostat, rendering possible sample heating at various rates up to 250°. The thermomechanical curves obtained for samples of high- and low-pressure polyethylene by means of the device described above

Card 1/2

are given (Fig 2). The relative measuring error of this device is $\pm 5\%$ at the maximum. There are 2 figures.

Card 2/2

EDEL'MAN, Aleksandr Samoylovich, inzh.; FRIDMAN, Aron Solomonovich, inzh.;
BRANDENBURGSKAYA, E.Ya., red.; BORUNOV, N.I., tekhn.red.

[Aluminum in the production of cables] Aliuminii v kabel'noi
tekhnike. Moskva, Gos.energ.izd-vo, 1960. 95 p. (MIRA 13:6)
(Aluminum) (Electric cables)

KARPOV, V.L.; MALINSKIY, Yu.M.; MITROFANOVA, L.V.; PINKEL', E.E.;
FRIDMAN, A.S.

Machine for determining the heat resistance of wire insulating
materials made of polyethylene or rubber. Zav.lab. 26 no.1:
102-103 '60. (MIREA 13:5)
(Electric insulators and insulation--Testing)

BELORUSSOV, Nikolay Ivanovich, inzh.; GLUPUSHKIN, Petr Mikhaylovich,
kand. tekhn. nauk; KONSTANTINOV, Marsaliy Valer'yanovich,
inzh.; PESHKOV, Izyaslav Borisovich, kand. tekhn. nauk;
PRIVEZENTSEV, Vladimir Alekseyevich, doktor tekhn. nauk;
TROITSKIY, Igor' Dmitriyevich, kand. tekhn. nauk;
FEDOSEYEVA, Yelena Georgiyevna, kand. tekhn. nauk; FRIDMAN,
Aron Solomonovich, inzh.; RYZHIKHINA, Ye.G., red.

[Cables and wires] Kabeli i provoda. Moskva, Energiia.
Vol.3. 1964. 469 p. (MIRA 17:12)

SOKOLOV, Nikolay Nikolayevich; ANDRIANOV, K.A.,red.; AKOPYAN, A.A.,red.;
BIRYUKOV, V.G.,glavnny red.; BUTKEVICH, G.V.,red.; GRANOVSKIY, V.L.red.;
GERTSENBERG, G.R.,red.; ZABYRINA, K.I.,red.; KALITVYANSKIY, V.I.,red.;
KLYARFEL'D, B.N.; SAKOVICH, A.A.; TIMOFEEV, P.V.; FASTOVSKIY, V.G.;
TSEYROV, Ye.M.; FRIDMAN, A.Ya.; SHEMAYEV, A.M.; TIMOKHINA, V.J.,red.

[Methods for the synthesis of organopolysiloxanes] Metody
sintese poliorganosiloksanov. Moskva, Gos.energ. izd-vo. 1959.
198 p. (Moscow. Vsesoiuznyi elektrotekhnicheskii institut.
Trudy, no.66)

(MIRA 12:5)

(Siloxanes)

FRIDMAN, A. Ya.; ANASHKIN, L.G.

Device for changing diagram recording scales in the IM-12A
tensile machine. Zav.lab. 27 no.5:619 '61. (MIRA 14:5)

1. Novosibirskiy turbogeneratornyy zavod.
(Testing machines)

FRIDMAN, A.Ya.

Evaluation of the information services of the All-Union
Electric Engineering Institute by workers in science labora-
tories in Moscow. NTI no. 3:16 '63. (MIRA 16:11)

1. Rukovoditel' Otdela izucheniya, analiza i obobshchaniya
nauchnoy informatsii Vsesoyuznogo ordena Lenina elektro-
tekhnicheskogo instituta imeni V.I. Lenina.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0

FRIDMAN, A.Y.

V.I.Lenin and the problems of scientific and technical information
and propaganda. NTI no.483-8 1955. (MIRA 18'6)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0"

FRIEDMAN, A.Ya.

Technical translator's work with a dictionary. NTI no. 314-17 1985.
(MIRA 1986)

S/096/62/000/012/001/003
E194/E135

AUTHORS: Komm, P.S., Lapuzin, V.S., Nemirov, V.S.,
Fridman, A.Ye., and Shcherbina, S.A. (Engineers)

TITLE: The control system of a 50 MW gas turbine of the
Khar'kov Turbine Works

PERIODICAL: Teploenergetika, no. 12, 1962, 37-44

TEXT: The 50 MW gas turbine type ГТУ-800 (GTU-800) is of open cycle design, burns natural gas at a pressure of 22 atm, and provides heat for district heating. The h.p. combustion chamber, turbine, compressor and l.p. compressor and starting motor are on one shaft. On a second shaft, side by side with the first, are the l.p. combustion chamber, turbine, and m.p. compressor, alternator and geared exciter/starter motor. The first shaft speed is variable and at full-load is 3600 r.p.m; the second shaft runs at a constant speed of 3000 r.p.m. The gas distribution arrangements are described. The control arrangements, described in detail, consist of two main systems: speed control and anti-surging control; in addition there are auxiliary systems for run-up control, overspeed protection on dropping load, excess temperature

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Card 1/3

The control system of a 50 MW gas ... S/096/62/000/012/001/003
E194/E135

protection and others. The speed control pick-up is a low output centrifugal pump (impeller) on the l.p. shaft; there is a two-stage amplification with hydraulic positive and negative feedback. An accelerator (differentiator) is provided to make the speed governor operate quickly. The anti-surge control is very similar in principle to the speed governor and also uses two-stage amplification; the pick-up operates according to the speed of the h.p. shaft instead of according to the compressor air flow and pressure, which is the more usual. The operation of the system is explained and the construction of the various valves and other components is illustrated diagrammatically. The run-up controller takes over when the starter motor has run the l.p. shaft up to 1200-1400 r.p.m. and automatically brings its speed up to 2750 rpm, when the speed governor takes over. Auxiliary circuits which prevent false starts when the electrical load is thrown off are described. The temperature controller uses as pick-ups low inertia thermocouples in the h.p. and l.p. turbine exhaust ducts; they commence to operate if the temperature rises 15 °C above the normal value and shut down the set at 25 °C excess temperature.

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The control system of a 50 MW gas ... S/096/62/000/012/001/003
E194/E135

The overspeed governor is independent of the main speed governor and cuts off the fuel supply. Selection of the control arrangements is discussed and design principles are explained, with particular reference to dynamic stability. Transient process performance curves of the control system show that it is stable. There are 9 figures.

ASSOCIATION: Khar'kovskiy turbinnyy zavod
(Khar'kov Turbine Works)

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Card 3/3

SHUBENKO-SHUBIN, L.A.; FRIDMAN, A.Ye., inzh.; NEMIROV, V.S., inzh.

About Professor I.I. Kirillov's book "Automatic control of steam
and gas turbines." Energomashinostroenie 9 no.7:42-43 J1 '63.
(MIRA 16:7)

1. Chlen-korrespondent AN UkrSSR (for Shubenko-Shubin).
(Turbines) (Automatic control)
(Kirillov, I.I.)

VELLER, V.N., doktor tekhn.nauk; KIRAKOSYANTS, G.A., kand.tekhn.nauk;
LAPUŽIN, V.S., inzh.; LEVIT, D.M., inzh.; ROZHANSKIY, V.Ye., inzh.;
RULLIT, R.A., inzh.; FRIDMAN, A.Ye., inzh.

Water system for the regulation of the K-150-130 turbine developed
by the Kharkov Turbo-Generator Plant. Teploenergetika 9 no.11:10-
17 N '62. (MIRA 15:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy teplotekhnicheskiy institut
i Khar'kovskiy turbogeneratorskiy zavod.
(Kharkov—Steam turbines) (Hydraulic servomechanisms)

KOMM, P. S., inzh.; LAPUZIN, V. S., inzh.; MEMIROV, V. S., inzh.;
FRIDMAN, A. Ye., inzh.; SHCHERBINA, S. A., inzh.

Dynamics of the control of a GTU-50-800 gas turbine system
manufactured by the Kharkov Turbine Plant. Energomashinostroenie
8 no.12:1-7 D '62. (MIRA 16:1)

(Gas turbines)

KOMM, P.S., inzh.; LAPUZIN, V.S., inzh.; NEMIROV, V.S., inzh.; FRIDMAN,
A.Ye., inzh.; SHCHERBINA, S.A., inzh.

Control system of a 50 Mw. gas turbine manufactured by the
Kharkov Turbine Plant. Teploenergetika 9 no.12:37-44 D
'62. (MIRA 16:1)

1. Khar'kovskiy turbinnyy zavod.
(Gas turbines)

KLURFEL'D, A.I., inzh.; KORNEYKO, V.N., inzh.; RULLIT, R.A., inzh.;
SAMORODSKIY, L.F., inzh.; FRIDMAN, A.Ye., inzh.; SHCHERBINA,
S.A., inzh.

Control system of a PVK-150 turbine and some special features
of its adjustment. Teploenergetika 11 no. 1:67-72 Ja '64.
(MIRA 17:5)

1. Khar'kovskiy turbinnyy zavod im. S.M.Kirova.

S/182/61/000/004/004/007
D038/D112

AUTHORS: Fridman, A.Z., Prishchepo, V.Yu. and Kitain, R.S.

TITLE: Press equipment for manufacturing electrically welded pipes

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, no. 4, 1961, 18-23

TEXT: The authors state that as the production methods of manufacturing pipes up to 6 m long for high-pressure oil and gas pipelines, so far, have not been sufficiently mechanized in Western Europe and the USSR, new methods had to be developed. The article describes a production line which has been in operation since 1956 at one of the electric welding shops of the Chelyabinskii truboprovodnyi zavod (the Chelyabinsk Tube Rolling Mill), where 12,000 mm long and 1020 mm diam pipes are manufactured. The three hydraulic presses used in the production line are described. They are: P960 (P960) press comprising two four-column 1000-ton presses with U-shaped

interchangeable dies used for the preliminary molding of pipes; the P961 (P961) press, consisting of 6 two-column sections each developing a force of 2700 tons, for the final forming of the pipes; and the P089 (P089) press, provided with two power heads, for calibrating, straightening and finally hydraulically testing finished pipes. The authors conclude that the output of the new production line is 30-35% higher than on the old lines. The unit design of the presses for the preliminary

Card 1/2

Press equipment for manufacturing

S/182/61/000/004/004/007
DO38/D112

nary and final forming has simplified their operation and increased their reliability, and the production of pipes up to 1020 mm diam with 16 mm thick walls, as compared with 820 mm diam and 12 mm thick walls under the old technology, has been made feasible. A special hydraulic servomechanism submitted by Engineer V.I. Inozemtsev, a designer at TsBKM, is used on the P089 press. There are 8 figures.

Card 2/2

ACC NR: AP6032534

SOURCE CODE: UR/0413/66/000/017/0141/0141

INVENTOR: Tselikov, A. I.; Rozanov, B. V.; Nistratov, A. F.; Gol'man, L. D.; Maksimov, L. Yu.; Pobedin, I. S.; Fridman, A. Z.; Kitain, R. S.; Kurovich, A. N.; Nadtochenko, A. F.; Kaganovskiy, F. I.; Kozhevnikov, V. F.; Zonenko, V. V.

ORG: none

TITLE: Hydraulic press reinforced with wire wrapping. Class 58, No. 185696
[announced by the All-Union Scientific Research Institute for the Planning and
Design of Metallurgical Machinery (Vsesoyuznyy nauchno-issledovatel'skiy i proyektno-
konstruktorskiy institut metallurgicheskogo mashinostroyeniya)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 17, 1966, 141

TOPIC TAGS: hydraulic press, reinforced hydraulic press, HYDRAULIC EQUIPMENT,
METAL PRESS

ABSTRACT: This Author Certificate introduces a hydraulic press reinforced (see Fig. 1) with wire wrapping. The press includes a cylinder, housing consisting of upper and lower crossmembers and columns with a concave oval-shaped outside surface which makes it possible to wind a reinforcing band or wire around the housing. To improve the technical and economic characteristics and the reliability of the press at the same main parameters, the housing is provided with stiffening ribs located

Cord 1/2

UDC: 621.226

ACC NR: AP6032534

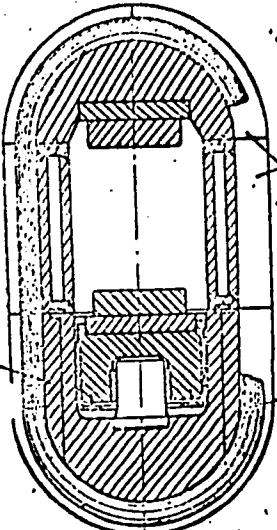


Fig. 1. Hydraulic press reinforced with wire wrapping

1 - Stiffening ribs; 2 - wrapping;
3 - lower crossmember.

between the wrapping, and the lower crossmember of the press is laminated and serves as a hydraulic cylinder. Orig. art. has: 1 figure.

SUB CODE: SUBM DATE: 20Aug64/

Card 2/2

L 33043-66

ACC NR: AP6024230

SOURCE CODE: RU/0005/65/000/003/0080/0084

AUTHOR: Tapach, Valentin—Tanalchi, V. (Engineer); Stanciuilea, Lucia (Engineer); David, Bella (Engineer); Cojocaru, Zoe (Engineer); Friedman, Alexandru (Physicist).³⁵ORG: Tanach; Cojocaru/ Electronic Works (Uz. Electronika); Stanciuilea; David;
Fridman/ ICPETITLE: Achievements in the field of perminvar-type ferrites and their applications

SOURCE: Telecommunicatii, no. 3, 1965, 80-84

TOPIC TAGS: ferrite, high frequency

ABSTRACT: The authors discuss the theory underlying the development of perminvar-type ferrites with superior high-frequency performance and describe their work in this field. Experimental results are presented for some of the materials prepared by the authors, and their fields of application are discussed. Orig. art. has: 4 figures and 3 tables. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 11, 09 / SUBM DATE: 20Feb64 / ORIG REF: 002 / OTH REF: 007

Card 1/1

UDC: 621.318.13

0913

1881

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0

TRILAKH, R.

Mekhanicheskie svoystva metallov (Mechanical properties of metals).

Moscow 1945.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0

FRIDMAN, R.

YERSHOVA, Ye., inzhener; FRIDLYAND, I., inzhener; FRIDMAN, R.

Technical publications on progressive practices. Izg. pron. 17
no. 6:52-53 Je '57. (MLRA 10:8)
(Bibliography--Technology)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0"

FRIDMAN, B. D.

Fridman, B. D. "On the clinical properties of exogenous psychoses in wartime," Trudy Sov.-Osset. gos. med. in-ta, Issue 2, 1949, p. 5-8.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

FRIDMAN, B. D.

Fridman, B. D. "On psychic disturbances in intracranial wounds," Report 3, Trudy Sev.-Oset. gos. med. in-ta, Issue 2, 1949, p. 9-17.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

FRIDMAN, B. D.

Fridman, B. D. "On pellagrous psychoses," Trudy Sev.-Osct. gos. med. in-ta, Issue 2, 1949, p. 37-44.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

~~FRIDMAN, B.D.~~

Increasing air heat in the combination air preheater. Sakh.prom. 27 no.
7:42-43 JI '53. (MLRA 6:6)

1. Usbekskiy sakhsveklotrest.

(Steam boilers)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0

FRIDMAN, B.D.

Fabulizing thinking. Trudy 1-go MMI 34:217-220 '64.
(MIRA 18:11)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0"

FRIDMAN, B. E.

PA 15/49 T103

USSR/Mining Methods
Dredges

Sep 48

"Review of 'A Short Handbook on the Design and
Construction of Dredging Operations,'" B. E.
Fridman, Cand Tech Sci, ½ p

"Gor Zhur" No 9

Favorable review of book, published by technical
information branch office of Glavspetsvetmet,
Moscow, 1947, 80 pages, 33 illustrations, 750 copies,
15 rubles.

15/49T103

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0

FEDOROV, D. D.

A manual on the hydromechanization of mining. Mining placer deposits Moskva, Gos. nauch.-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1949. 394 p. 2 fold maps (50-15554)

TN278.F7

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0"

FRIDMAN, B.E.

USSR/Engineering - Hydraulics, Dredging Aug 51

"Suction of Sand Under Water," B. E. Fridman,
Cand Tech Sc 1

"Gidrotekh Stroi" No 8, pp 32-36

Attempts to generalize some results of laboratory investigations of suction which occur in dredging operations. Concludes that high productivity and consistency of pulp may be obtained only when suction of sand occurs under sand layer. Productivity increases as layer depth increases. Layer depth up to 4 diams of suction pipe opening considered as limit for efficient operation.

200T82

USSR/Engineering - Hydraulics Aug 51
Dredging (Contd)

Discusses dimensions of suction zone around pipe and various types of suction tips.

200T82

FRIDMAN, B.YE.

USSR Mining - Hydraulicking, Methods

Aug 52

"Developing an Artificial Landslide and Caving of
Ground by Water Under Pressure," B. YE. Fridman,
Cand Tech Sci, Engr A. V. Kochergina

Gidrotekh Stroi, No 8, pp 15-18

Discusses excavation of heavy clayish grounds,
using monitors, and suggests considerably more
efficient method with preliminary loosening and
caving of ground by water introduced under pres-
sure into ground through system of pipes. Greatest
expediency can be achieved by application of method
to an earth-bench thickness of 3-4 to 12-16 m.
Describes operations in Podolsk limestone pit.

247T57

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0

KOCHERGINA, A.V., inzhener; FRIDMAN, B.E., kandidat tekhnicheskikh nauk.

New hydraulic monitors. Mekh.stroi. 10 no.12:14-17 D '53. (MLRA 6:11)
(Nozzles)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0

TRIDMAN, B.M. kandidat tekhnicheskikh nauk.

Use of hydraulic elevators for increasing the productivity of pumping stations. Gidr.stroi. 22 no.4:46-47 Ap '53.
(MLRA 6:5)
(Hydraulic machinery)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0"

FRIDMAN, B.E., kandidat tekhnicheskikh nauk

Hydraulic mining of tin-bearing deposits. (From: Mine and Quarry Eng., August, 1953. Tin Statistical Supplement, January, 1953) Gor. zhur. no.5:14-17 My '55. (MIRA 8:7)
(Tin mines and mining) (Hydraulic machinery)

FRIDMAN, B.E.

Subject : USSR/Hydraulic Engineering Construction AID P - 1795

Card 1/1 Pub. 35 - 7/17

Author : Fridman, B. E.

Title : The dependence of the performance of hydraulic monitor upon water jet characteristics

Periodical : Gidr. stroi., v.24, no.1, 23-25, 1955

Abstract : A mathematical analysis of the pressure, velocity, diameter, length, etc. of the jet discharge and their effect on the performance of the monitor. Three tables and 2 diagrams are given. Two Russian references, 1939, 1948.

Institution: None

Submitted : No date

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0

FRIDMAN, B.E.

Using hydraulic elevators for water supply and in the construction
of water pipelines. Vod. i san.tekhn.no.11:17-24 N '56.
(Elevators) (MLRA 10:3)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0"

FRIDMAN, Boris Emmanuilovich; SHKUNDIN, B.M., redaktor; YEZDOKOVA, M.L.,
redaktor izdatel'stva; ISLEN'T'IEVA, P.G., tekhnicheskiy redaktor

[Hydromechanical working of placer deposits] Razrabotka rossyapnykh
mestorozhdenii gidromekhanizatsiei. Moskva, Gos.nauchno-tekhn.
izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1957. 468 p.
(Hydraulic mining) (MLRA 10:8)

FRIDMAN, B.E.,
SUBJECT: USSR/Mining

127-10-24/24

AUTHOR: Fridman, B.E., Candidate of Technical Sciences

TITLE: Review of the book by Leonovich, K.M.: "Mining of Placers by the Hydraulic Method" (Razrabotka rossyey gidravlicheskim sposobom)

PERIODICAL: Gornyy Zhurnal, 1957, #10, pp 79-80 (USSR)

ABSTRACT: The reviewer criticizes the book in question and points out its numerous defects. This book does not correspond to the general level of the workers employed at hydraulic installations, for whom it was published, and contains obsolete and partly even wrong data.

The book needs considerable improvements in a future edition.

ASSOCIATION: Not indicated

PRESENTED BY:

SUBMITTED: No date indicated

AVAILABLE: At the Library of Congress

Card 1/1

FRIDMAN, B.E., kandidat tekhnicheskikh nauk.

New equipment for hydropmechanical operations. Mekh stroi. 14
no.3:31 Mr '57. (MLRA 10:4)
(United States--Dredging machinery)

FRIDMAN, B.E., referent, kand.tekhn.nauk; SHUBOV, L.Ya., inzh.

Suction dredger mining of titanium placer deposits and
preparation of the mined product (from "Rock Products" no.7,
1956, "Mining World" no.11, 1955). Gor.zhur. no.3:39-40 Mr '58.

(MIRA 11:3)

(United States--Hydraulic mining)
(Titanium ores)

PHASE I BOOK EXPLOITATION SOV/4369

Fridman, Boris Emmanuilovich

Gidroelevatory (Hydraulic Jet Pumps) Moscow, Mashgiz, 1960.
322 p. 2,000 copies printed.

Reviewer: B. M. Shkundin, Engineer; Ed.: N. N. Voskresenskiy, Engineer; Ed. of Publishing House: L. N. Danilov; Tech. Ed.: L. P. Gordeyeva; Managing Ed. for Literature on General Technical and Transport Machine Building (Mashgiz): A. P. Kozlov, Engineer.

PURPOSE: This book is intended for engineers and technicians engaged in operating, designing, and investigating hydraulic jet pumps.

COVERAGE: The book discusses modern theory and practical uses of hydraulic jet pumps for the mechanization of labor. A description of existing designs of jet pumps and methods of calculating them are given. Results of investigations of jet-pump designs and of verification of calculating methods are included. An improved design for a jet pump and its

Card 1/6

Hydraulic Jet Pumps

SOV/4369

elements based on research and experiment is described.
No personalities are mentioned. There are 147 references:
127 Soviet (including 1 translation) 14 English, 3 German,
1 French, 1 Italian, and 1 Japanese.

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SECTION I. PRINCIPAL METHODS OF CALCULATING HYDRAULIC JET PUMPS	
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Card 2/6	

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0

FRIDMAN, B.I.

DECEASED
C' 1961

1962/5

SEE ILC

LEATHER

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0

GINZBURG, L.N., doktor tekhn.nauk; FRIDMAN, B.N., kand.tekhn.nauk

Some problems of the drawing theory in connection with high drafts
and spinning from the sliver. Tekst.prom. 21 no.5:16-23 My '61.
(MIRA 15:1)
(Spinning machinery)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0"

GINZBURG, L.N., doktor tekhn.nauk; FRIDMAN, B.N., kand.tekhn.nauk

Some problems of the drafting theory in cases of high drafts and
of spinning from the silver. Tekst.prom. 21 no.6:25-28 Je '61.
(MIRA 15:2)
(Spinning)

FRIDMAN, B.N., gornyy inzh.-elektromekhanik

Reader's comments on the article "Planning and financing
unit repairs of mine equipment" by F.K. Grossov. Gor.
zhur. no.12:65-66 D '62. (MIRA 15:11)

1. Vysokogorskoye rudoopravleniye, Nizhniy Tagil.
(Mining machinery—Maintenance and repair)
(Grossov, F.K.)

LYSOVA, Z.A.; ALEKSANDROVICH, K.D., mladshiy nauchnyy sotrudnik; Prinimali
uchastiye: FRIEDMAN, B.M., starshiy nauchnyy sotrudnik; GARANINA,
V.P., mladshiy nauchnyy sotrudnik; LYSYANSKIY, Ye.B.

Comparing the technological efficiency of high-speed draw frames
with 6 mm and 9 mm diameter combs. Nauch.-issl. trudy TSNIIILV
16:118-126 '62. (MIRA 16:10)

1. Rukovoditel' eksperimental'noy laboratorii TSentralnogo
nauchno-issledovatel'skogo instituta promyshlennosti lubyanykh
volokon.

ALEKSANDROVICH, K.D., mladshiy nauchnyy sotrudnik; LYSOVA, Z.A., starshiy nauchnyy sotrudnik; Prinimali uchastiye: ERLOMAN, B.N., starshiy nauchnyy sotrudnik; GARMINA, V.P., mladshiy nauchnyy sotrudnik; LYSYANSKIY, Ye.B., mladshiy nauchnyy sotrudnik

Studying the setting of card clothing and the mounting of high-speed drawing machines. Nauch.-issl. trudy TSNIILV 15:3-23 '61.
(MIRA 18:4)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0

FRIDMAN, B.N., kand. tekhn. nauk; Prinimala uchastiye PETROVA, A.S.

Further increase of the operative efficiency of the flax carder.
Nauch.-issl. trudy TSNILV 16:33-50 '62. (MIRA 16:10)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0"

L 24553-66 EWT(1)/EWA(h)

ACC NR: AP6006322

SOURCE CODE: UR/0413/66/030/002/0043/0043

24

AUTHOR: Fridman, B. P.

B

ORG: none

TITLE: A frequency selective device, Class 21, No. 177938

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1966, 43

TOPIC TAGS: frequency selection, transmission, electronic circuit

ABSTRACT: This Author Certificate presents a frequency selective device. The device includes an oscillatory circuit, a resistance-capacitance amplifier stage, and a nonlinear frequency dependent controlled circuit. The design increases the selectivity of the device without reducing the stability of its operation and provides a smooth change of the transmission band while maintaining a constant coefficient of transmission at the resonance frequency. The oscillatory circuit is connected to the input of the device through a two-component selective divider. The divider is formed from two resistive elements connected in series. A nonlinear frequency dependent circuit, controlled by a variable output signal, is connected to the common point where the two resistive elements are joined (see

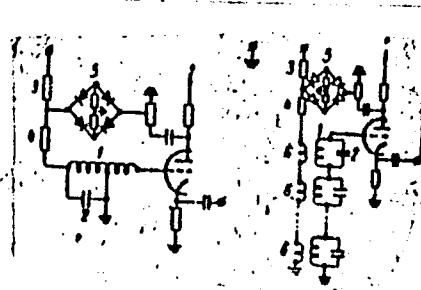
Card 1/2

UDC: 621.396.662.4

L-24553-66
ACC NR: AP6006322

Fig. 1).

Fig. 1. 1 and 2 - oscillatory circuit; 3 and 4 - two-component selective divider; 5 - nonlinear frequency dependent circuit; 6 - windings of the connection of the resonance circuits with the input circuit.



The nonlinear frequency dependent circuit is a bridge circuit. This design makes it possible to obtain several different transmission bands of the device while maintaining constant values of the transmission coefficient at all resonance frequencies. Several resonance circuits are connected in series to the circuit of the control network of the amplifier stage. The resonance circuits are connected to the input circuit by windings. These windings are connected in series to the two-component selective divider. Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 01Feb61

Card 2/2 10

ACC NR: AP6022008

SOURCE CODE: UR/0120/05/000/003/0126/0131

AUTHOR: Fridman, B. P.; Fridman, B. P.

ORG: Ufa Aviation Institute (Ufimskiy aviatsionnyy institut)

TITLE: A four channel electronic switch for an oscilloscope

SOURCE: Pribory i tekhnika eksperimenta, no. 3, 1966, 126-131

TOPIC TAGS: switching circuit, digital system, electronic commutator

ABSTRACT: This four-channel switching circuit for use with an oscilloscope is said to be very compact, economical, simple to adjust, and stable in operation. The device provides for a continuous variation in the switching frequency of channels over three wide ranges. It has a provision for changing the brightness of individual oscillograms which are simultaneously presented. It also provides for a completely independent control over the switching frequency of channels and the relative brightness of the oscillograms. These features result from the use of a multivibrator with a two-sided controlled asymmetry and of a flip-flop which divides the multivibrator frequency. The block diagram and the circuit diagram are presented and discussed. Characteristic oscillograms are also shown. The circuit utilizes vacuum tubes. Orig. art. has: 4 figures.

SUB CODE: 09/ SUBM DATE: 10Apr65

UDC: 621.317.755.084

Card 1/1

FRIDMAN, B.O.

Connection of some forms of epilepsy with disturbances of cardiac activity. Vop. psikh. i nevr. no.5:178-185 '59. (MIRA 14:5)

1. Iz detskogo otdeleniya (zav. - prof. G.B.Abramovich) Psichoneurologicheskogo instituta imeni V.M.Bekhtereva (direktor - chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR prof. V.N.Myasishchev).

(EPILEPSY)

(HEART--DISEASES)

FRIDMAN, B.O.

Medicinal poisoning in the course of treatment of epilepsy in
children and measures for preventing it. Zhur.nevr.i psikh. 60
no.7:859-863 '60. (MIRA 14:1)

1. Detskoye psikhoneurologicheskoye otdeleniye (zav. - prof.
G.G.Abramovich) Nauchno-issledovatel'skogo psikhoneurologicheskogo
instituta imeni V.M.Bektereva (dir. - prof. V.N. Myasishchev),
Leningrad.

(EPILEPSY)

(ANTICONVULSANTS)

FRIDMAN, B.O.

Some clinicoelectroencephalographic indices characteristic of compensation processes in petit mal epilepsy in children. Vop. psikh.i nerv. 8:50-62 '62.
(MIRA 17:4)

1. Iz detskogo psikhoneurologicheskogo otdeleniya (zav. otdeleniyem prof. G.B.Abramovich) Nauchno-issledovatel'skogo psikhoneurologicheskogo instituta imeni V.M.Bekhtereva (dir. - B.A.Lebedev).

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0

FRIDMAN, B.P., inzh.

Electronic metal detector for conveyors. Mekh.i avtom.proizv.
16 no.9:38-39 S '62. (MIRA 15:9)
(Conveying machinery) (Electronic instruments)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0

FRIDMAN, B.P., inzh.

Gauging unit for polyethylene films. Mekh. i avtom.proizv. 19
no.2:29 F '65. (MIRA 18:3)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0

FRIDMAN, B.P.

Flame regulating device. Priborostronenie no.11:25-26 N '63.
(MIRA 16:12)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0"

FRIDMAN, B.P.

Four-channel electronic switch to a cathode-ray oscilloscope.
Zav.lab. 31 no. 3:383-384 '65.

(MIRA 18:12)

FRIDMAN, B.P., dotsent

Device for automatic regulation and control of the heater
voltages of a transmitter. Vest. sviazi 25 no.6:17-19
Je '65.

(MIRA 18:11)

1. Kafedra elektroniki Ufimskogo aviationsionnogo instituta
im. S. Ordzhonikidze.

L 13968-66 EWT(1)/EWA(h) GG

ACC NR: AP6005323

SOURCE CODE: UR/0413/66/000/001/0057/0058
*25*INVENTOR: Fridman, B. P.

ORG: none

TITLE: Four-channel electronic switch, Class 21, No. 177529

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no.1, 1966, 57-58

TOPIC TAGS: switching circuit, electronic switch, oscilloscope

ABSTRACT: The proposed switch, intended for a cathode-ray oscilloscope, contains four switching channels connected with the source of the external sinusoidal voltage. They are designed for shaping switching pulses and utilize multigrid tubes connected with a manipulator which controls the switching of the tubes along their various electrodes by means of four pulse sequences. To simplify the frequency control of channel switching and improve the image quality of the switched signals on the oscilloscope screen, the manipulator utilizes a bilateral clipper of the sinusoidal signal which is connected both directly and through an RC circuit and a divider to the control circuits of the switching-channel tubes. A full-wave diode limiter-detector and a level controller are connected to the circuit for shaping quenching pulses. The level controller is connected with a mixer which uses two triodes with a resistive load which is part of the complex plate load of the quenching-pulse shaping stage. [DW]

Card 1/2

UDC: 621.317.772:621.373.43

4161

L 13968-66

ACC NR: AP6005323

SUB CODE: 09 / SUBM DATE: 25Oct61 / ATD PRESS: 4151

GC
Card 2/2

ACC NR: AP6022008

SOURCE CODE: UR/0120/66/000/003/0126/0131

AUTHOR: Fridman, B. P.; Fridman, B. P.

ORG: Ufa Aviation Institute (Ufimskiy aviationsionnyy institut)

TITLE: A four channel electronic switch for an oscilloscope

SOURCE: Pribory i tekhnika eksperimenta, no. 3, 1966, 126-131

TOPIC TAGS: switching circuit, digital system, electronic commutator

ABSTRACT: This four-channel switching circuit for use with an oscilloscope is said to be very compact, economical, simple to adjust, and stable in operation. The device provides for a continuous variation in the switching frequency of channels over three wide ranges. It has a provision for changing the brightness of individual oscillograms which are simultaneously presented. It also provides for a completely independent control over the switching frequency of channels and the relative brightness of the oscillograms. These features result from the use of a multivibrator with a two-sided controlled asymmetry and of a flip-flop which divides the multivibrator frequency. The block diagram and the circuit diagram are presented and discussed. Characteristic oscillograms are also shown. The circuit utilizes vacuum tubes. Orig. art. has: 4 figures.

SUB CODE: 09/ SUBM DATE: 10Apr65

UDC: 621.317.755.084

Card 1/1

ACCESSION NR: AR4027667

S/0276/64/000/001/B056/B056

SOURCE: RZh. Tekhnologiya mashinostroyeniya, Abs 1B285

AUTHOR: Gissin, I. M.; Fridman, B. S.

TITLE: FAO (finish all over) or tempered steel and hard alloys with ultrasound

CITED SOURCE: Sb. Ul'trazvuk. i elektroimpul'sn. metody* obrabotki met. Rostov-na-Donu, 1961, 3-79 "

TOPIC TAGS: steel, tempered steel, steel finishing, FAO, hard alloy, ultrasound, ultrasound metal finishing.

TRANSLATION: The authors present results on ultrasound polishing (UP) in which the finishing tool is fed in a plane perpendicular to its axis. The experiments were carried out on a milling machine equipped with an acoustic head (1 kwt, 20 kc), a feed mechanism, and an abrasive suspension delivery system. The authors propose a device for controlling the part thickness consisting of a system of two feelers attached to a head. As the head is lowered, one of the feelers touches the table mirror, and the other contacts the part surface. It was found that in the UP of

Card 1/3

ACCESSION NR: AR4027667

steel with a transverse feed of 10 mm/min, the optimal concentration of boron carbide No 3 in water is 30-40% by weight (amplitude of oscillations $A = 40$ microns, specific pressure $P = 30$ g/mm², tool diameter 20 mm). The optimal value of P is 30-40 g/mm² (tests were made with up to 50 g/mm², for which the tool was found to oscillate in a transverse direction with an amplitude of 7.5-10 microns). The tool has a rectangular cross-section with the ratio of sides equal to 1.8:1 (long side in direction of feed) and has 1.39 times greater efficiency than a round tool and a 1.16 times greater efficiency than a square one ($P = 30$ g/mm², butt end area 80-200 mm²). Experiments on the UP of heat treated steels 20Kh and 5KhNT for a frequency of 19-20.6 kc, $A = 11-40$ microns, $P = 20-50$ g/mm², boron carbide Nos 3 and 5 on the order of 45-50% by weight, initial sample surface roughness within class 4, a rectangular tool area of 49-315 mm, and a cutting depth of 0.03-0.30 mm showed that the finishing efficiency in bringing up the surface to a class 7 or 8 finish is 6.6-31 mm²/min (without transverse feed) and with a feed rate of $S = 5-10$ mm/min increases to 23-85 mm²/min (4-7.9 mm³/min). It is recommended that UP be used following electropulse finishing. The article includes a survey of work in the field, describes the experimental procedure, and contains the results of experiments on the effect of P on A and the cutting tool, as well as formulas for determining the machine time for ultrasound polishing of

Card 2/3

ACCESSION NR: AR4027667

a flat surface. 39 illustrations, bibliography with 35 titles. D. Yakhimovich.

DATE ACQ: 03Mar64

SUB CODE: ML

ENCL: 00

Card 3/3

RADOVIL'SKIY, Kh.M. [Radovil'skyi, Kh.M.]; FRIDMAN, B.S.

Pharmacy in the Crimea during the past 40 years. Farmatsev.
zhur. 16 no.4:52-56 '61. (MIRA 17:6)

FRIDMAN, B.Yu.

Calculation of allowances for the dimensions of plates of plane
sections. Trudy LKI no.31:105-115 '60. (MIRA 15:2)

1. Kafedra tekhnologii metallov Leningradskogo korablestroitel'nogo
instituta.
(Hulls (Naval architecture))

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0

FRIDMAN, B.Z., kand.tekhn.nauk

Safe location of a hydraulic excavator in a breast. Bezop.truda v
prom. 4 no.4:13-14 Ap '60. (MIRA 13:9)
(Hydraulic mining--Safety measures)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513720003-0"

127-58-1-24/28

AUTHORS: Fridman, B.N.; Brezgin, A.S., and Bocharov, A.Z.

TITLE: Increase of Bit Durability (Povysheniye stoykosti dolot)

PERIODICAL: Gornyy Zhurnal, 1958, Nr 1, p 75 (USSR)

ABSTRACT: The Yestyunin open mine of the Vysokaya Gora Mine Administration had difficulties because of the high wear of bits. In order to increase their durability, a new technological process of thermal treatment has been developed and applied. A more intensive hardening medium, the 10% aqueous solution of NaCl, and the day-and-night permanent temperature control of the hardening by thermocouples are characteristic features of the new technological process. Comparison of experimental data shows that the durability of the bits hardened by the new method was twice as high as those hardened in water. As a result, the consumption of bits has been reduced by 33%.

The article contains 1 figure and 2 graphs.

ASSOCIATION: Vysokogorskoye rudoupravleniye (Vysokaya Gora Mine Administration)

AVAILABLE: Library of Congress

Card 1/1

1. Drills-Hardening-Test results 2. Mines-Equipment

FRIDMAN, B.N.; LIFSHITS, A.S.; YERSHOV, B.Ya.

Centrifugal spinning machine for the dry spinning of bast fibers.
Tekst.prom. 14 no.2:10-13 F '54. (MLRA 7:5)

1. Nauchnyy sotrudnik TeNIILV (for Fridman and Lifshits).
2. Glavnnyy inzhener fabriki "Serp i Molot" (for Yershov).
(Spinning machinery)

FRIDMAN, B. N.

FRIDMAN, B. N.: "The principles of methods of increasing the productivity of a linen combing machine." Min Higher Education ussr. Moscow Textile Inst. Moscow, 1956. DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCE.

SO:

Knizhnaya Letopis' No. 18, 1956

FRIDMAN, BORIS NIKOLAYEVICH

GINZBURG, Lev Matanovich, professor, doktor tekhnicheskikh nauk; SAL'MAN,
Semen Il'ich., kandidat tekhnicheskikh nauk; TARASOV, Sergey
Vladimirovich, kandidat tekhnicheskikh nauk; LAZAR'eva, Sof'ya
Yefremovna, kandidat tekhnicheskikh nauk; FRIDMAN, Boris Nikolayevich,
kandidat tekhnicheskikh nauk; LIFSHITS, Isra'il' Yakovlevich,
inzhener; SOKOLOV, G.A., retsenzenter; SOKOLOVA, V.Ye., redaktor;
MVDVEDOV, L.Ya., tekhnicheskiy redaktor

[Handbook on flax spinning] Spravochnik po priadeniiu l'na. Pod red.
L.N.Ginzberga. Gos.nauchno-tekhnik.izd-vo M-va legkoi promyshl.
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Card 1/1 : Pub. 148-13/28

Author : Romanenko, N. N.; and Fridman, E. A.

Title : A new serological variant of the influenza B virus

Periodical : Zhur. mikro, epid. i immun. 7, 50-53, Jul 1954

Abstract : A variant of the influenza B virus isolated at a children's institution during an epidemic in March 1952 is investigated in detail. Serological comparisons of this variant were made with virus strains previously isolated. Results of the investigations are presented on three charts. No references are cited.

Institution : Laboratory of Influenza (Head-N. N. Romanenko) of the Leningrad Institute imeni Pasteur (Dir.-N. P. Ivanov; Scientific Dir.-Doctor of Medical Sciences A. A. Sinitskiy)

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